

# Suremotion Drive Couplings

## Double Loop Couplings



## Features

- High torsional rigidity
- One-piece design
- Hubs made of series 300 stainless steel
- Double loop made of DuPont Hytrel™
- Corrosion protection
- Outstanding resistance to acids, alkalis, solvents, oils, grease, ozone
- Wide operating temperature range: -40 to 100 °C (-40 to 212 °F)

- Electrical isolation
- Damping of shock and vibration
- Speeds up to 3,000rpm

## Applications

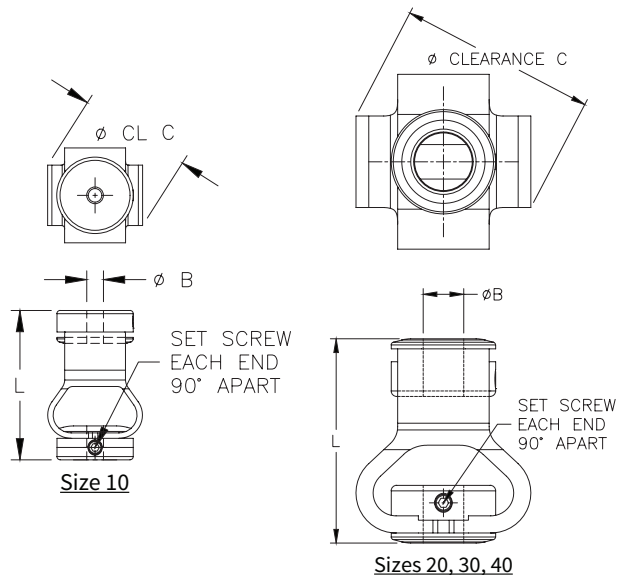
- Light-duty applications
- Medium-speed applications
- Applications in which inertia is NOT a factor

Double Loop Stainless Steel Drive Couplings									
Part Number	Price	Size	Bore	Max rpm	Max Torque @ Max Displacement ([lb-in] N-m)	Max Misalignment			Weight (lb)
						Radial ([in] mm)	Axial ([in] mm)	Angular (°)	
DC-DLSS10-02	\$34.00	10	1/8 in	3,000	[4.4] 0.5	[0.10] 2.6	[0.18] 4.5	10	0.06
DC-DLSS10-03	\$34.00		3/16 in						
DC-DLSS10-06M	\$34.00		6mm						
DC-DLSS10-04	\$34.00		1/4 in						
DC-DLSS10-05	\$34.00		5/16 in						
DC-DLSS10-08M	\$34.00		8mm						
DC-DLSS20-04	\$38.00	20	1/4 in		[15.9] 1.8	[0.30] 7.5	15	0.20	
DC-DLSS20-05	\$38.00		5/16 in						
DC-DLSS20-08M	\$38.00		8mm						
DC-DLSS20-06	\$38.00		3/8 in						
DC-DLSS20-12M	\$38.00		12mm						
DC-DLSS20-08	\$38.00		1/2 in						
DC-DLSS30-12M	\$42.00	30	12mm		[44.3] 5.0	[0.13] 3.2	15	0.27	
DC-DLSS30-08	\$42.00		1/2 in						
DC-DLSS30-14M	\$42.00		14mm						
DC-DLSS30-10	\$42.00		5/8 in						
DC-DLSS40-08	\$47.00	40	1/2 in		[88.5] 10.0	[0.43] 11.0	0.30		
DC-DLSS40-14M	\$47.00		14mm						
DC-DLSS40-10	\$47.00		5/8 in						
DC-DLSS40-16M	\$47.00		16mm						

## Dimensions (in [mm])

Double Loop Stainless Steel Drive Coupling Dimensions						
Part Number	Size	Set Screw	ØB	ØC (in [mm])		
				ØC	L	
DC-DLSS10-02	10	M3	1/8 in	1.06 [26.9]		
DC-DLSS10-03			3/16 in			
DC-DLSS10-06M			6mm			
DC-DLSS10-04			1/4 in			
DC-DLSS10-05			5/16 in			
DC-DLSS10-08M			8mm			
DC-DLSS20-04	20	M4	1/4 in	1.89 [48.0]		
DC-DLSS20-05			5/16 in			
DC-DLSS20-08M			8mm			
DC-DLSS20-06			3/8 in			
DC-DLSS20-12M			12mm			
DC-DLSS20-08			1/2 in			
DC-DLSS30-12M	30	M5	12mm	2.13 [54.1]	2.17 [55.1]	
DC-DLSS30-08			1/2 in			
DC-DLSS30-14M			14mm			
DC-DLSS30-10			5/8 in			
DC-DLSS40-08	40	M6	1/2 in	2.20 [55.9]	2.20 [55.9]	
DC-DLSS40-14M			14mm			
DC-DLSS40-10			5/8 in			
DC-DLSS40-16M			16mm			

See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



# Suremotion Drive Couplings

## Accessories – Bore Reducers



### Features

- For use in all SureMotion drive coupling hubs to reduce bore size
- Split-collar design with 2 set screw flats will not mark shaft
- 25% greater holding power than standard split collar
- Hardened stainless steel

Bore Reducers – Stainless Steel Clamping Type						
Part Number	Price	Outside Diameter		Inside Diameter		Length
		Nominal	Actual	Nominal	Actual	
DC-BRS04-02	\$7.00	1/4 in	0.250 in	1/8 in	0.125 in	0.221 in
DC-BRS04-04M	\$7.00			4mm	4mm	
DC-BRS04-03	\$7.00			3/16 in	0.1875 in	
DC-BRS04-05M	\$7.00			5mm	5mm	
DC-BRS08-06M	\$9.50	1/2 in	0.500 in	6mm	6mm	0.449 in
DC-BRS08-04	\$9.50			1/4 in	0.25 in	
DC-BRS08-05	\$9.50			5/16 in	0.3125 in	
DC-BRS08-08M	\$9.50			8mm	8mm	
DC-BRS08-06	\$9.50			3/8 in	0.375 in	
DC-BRS08-10M	\$9.50			10mm	10mm	
DC-BRS10-10M	\$10.75	5/8 in	0.625 in	10mm	10mm	0.460 in
DC-BRS10-07	\$10.75			7/16 in	0.4375 in	
DC-BRS10-12M	\$10.75			12mm	12mm	
DC-BRS10-08	\$10.75			1/2 in	0.5 in	
DC-BRS10-14M	\$10.75			14mm	14mm	
DC-BRS10-09	\$10.75			9/16 in	0.5625 in	
DC-BRS12-06	\$12.50	3/4 in	0.750 in	3/8 in	0.375 in	0.646 in
DC-BRS12-12M	\$12.50			12mm	12mm	
DC-BRS12-08	\$12.50			1/2 in	0.5 in	
DC-BRS12-10	\$12.50			5/8 in	0.625 in	
DC-BRS12-16M	\$12.50			16mm	16mm	
DC-BRS12-11	\$12.50			11/16 in	0.6875 in	
DC-BRS14-14M	\$13.75	7/8 in	0.875 in	14mm	14mm	0.755 in
DC-BRS14-10	\$13.75			5/8 in	0.625 in	
DC-BRS14-16M	\$13.75			16mm	16mm	
DC-BRS14-11	\$13.75			11/16 in	0.6875 in	
DC-BRS14-18M	\$13.75			18mm	18mm	
DC-BRS14-12	\$13.75			3/4 in	0.75 in	
DC-BRS16-10	\$14.25	1 in	1.000 in	5/8 in	0.625 in	0.773 in
DC-BRS16-18M	\$14.25			18mm	18mm	
DC-BRS16-12	\$14.25			3/4 in	0.75 in	
DC-BRS16-20M	\$14.25			20mm	20mm	
DC-BRS16-13	\$14.25			13/16 in	0.8125 in	
DC-BRS16-14	\$14.25			7/8 in	0.875 in	
DC-BRS20-22M	\$14.75	1-1/4 in	1.250 in	22mm	22mm	0.793 in
DC-BRS20-24M	\$14.75			24mm	24mm	
DC-BRS20-25M	\$14.75			25mm	25mm	
DC-BRS20-16	\$14.75			1 in	1.0 in	
DC-BRS20-17	\$14.75			1-1/16 in	1.0625 in	
DC-BRS20-18	\$14.75			1-1/8 in	1.125 in	